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On statistically convergent double sequences in intuitionistic fuzzy 2-normed spaces

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Abstract

Quite recently, the concept of intuitionistic fuzzy 2-normed spaces was introduced by Mursaleen and Lohani [6]. Also, Mursaleen and Mohiuddine [7] have studied the notion of statistical convergence of double sequences in intuitionistic fuzzy normed spaces. In this paper, we study the concept of statistically convergent and statistically Cauchy double sequences in intuitionistic fuzzy 2-normed spaces.

Author Keywords

2-norm; Distribution function; Double sequence; Intuitionistic fuzzy 2-normed space; Statistical convergence; Statistically cauchy; T-norm; Triangle function

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